B 10

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PPPPPPPPPPPP     HHH         HHH     OOOOOOOOO     NNN         NNN  EEEEEEEEEEEEEEE
PPPPPPPPPPPP     HHH         HHH     OOOOOOOOO     NNN         NNN  EEEEEEEEEEEEEEE
PPPPPPPPPPPP     HHH         HHH     OOOOOOOOO     NNN         NNN  EEEEEEEEEEEEEEE
PPP         PPP  HHH         HHH  OOO         OOO  NNN         NNN  EEE
PPP         PPP  HHH         HHH  OOO         OOO  NNN         NNN  EEE
PPP         PPP  HHH         HHH  OOO         OOO  NNN         NNN  EEE
PPP         PPP  HHH         HHH  OOO         OOO  NNNNNN      NNN  EEE
PPP         PPP  HHH         HHH  OOO         OOO  NNNNNN      NNN  EEE
PPP         PPP  HHH         HHH  OOO         OOO  NNNNNN      NNN  EEE
PPPPPPPPPPPP     HHHHHHHHHHHHHHH  OOO         OOO  NNN   NNN   NNN  EEEEEEEEEEEE
PPPPPPPPPPPP     HHHHHHHHHHHHHHH  OOO         OOO  NNN   NNN   NNN  EEEEEEEEEEEE
PPPPPPPPPPPP     HHHHHHHHHHHHHHH  OOO         OOO  NNN   NNN   NNN  EEEEEEEEEEEE
PPP              HHH         HHH  OOO         OOO  NNN      NNNNNN  EEE
PPP              HHH         HHH  OOO         OOO  NNN      NNNNNN  EEE
PPP              HHH         HHH  OOO         OOO  NNN      NNNNNN  EEE
PPP              HHH         HHH  OOO         OOO  NNN         NNN  EEE
PPP              HHH         HHH  OOO         OOO  NNN         NNN  EEE
PPP              HHH         HHH  OOO         OOO  NNN         NNN  EEE
PPP              HHH         HHH     OOOOOOOOO     NNN         NNN  EEEEEEEEEEEEEEE
PPP              HHH         HHH     OOOOOOOOO     NNN         NNN  EEEEEEEEEEEEEEE
PPP              HHH         HHH     OOOOOOOOO     NNN         NNN  EEEEEEEEEEEEEEE
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M 15

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**FILE**ID**FILECMDS
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FFFFFFFFFF    IIIIII    LL          EEEEEEEEEE    CCCCCCCC  MM      MM  DDDDDDDD        SSSSSSSS
FFFFFFFFFF    IIIIII    LL          EEEEEEEEEE    CCCCCCCC  MM      MM  DDDDDDDD        SSSSSSSS
FF              II      LL          EE          CC          MMMM  MMMM  DD      DD  SS
FF              II      LL          EE          CC          MMMM  MMMM  DD      DD  SS
FF              II      LL          EE          CC          MM  MM  MM  DD      DD  SS
FF              II      LL          EE          CC          MM  MM  MM  DD      DD  SS
FFFFFFFF        II      LL          EEEEEEEE    CC          MM      MM  DD      DD    SSSSSS
FFFFFFFF        II      LL          EEEEEEEE    CC          MM      MM  DD      DD    SSSSSS
FF              II      LL          EE          CC          MM      MM  DD      DD          SS
FF              II      LL          EE          CC          MM      MM  DD      DD          SS
FF              II      LL          EE          CC          MM      MM  DD      DD          SS      ....
FF              II      LL          EE          CC          MM      MM  DD      DD          SS      ....
FF            IIIIII    LLLLLLLLLL  EEEEEEEEEE    CCCCCCCC  MM      MM  DDDDDDDD    SSSSSSSS        ....
FF            IIIIII    LLLLLLLLLL  EEEEEEEEEE    CCCCCCCC  MM      MM  DDDDDDDD    SSSSSSSS        ....

LL            IIIIII      SSSSSSSS
LL            IIIIII      SSSSSSSS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II        SSSSSS
LL              II        SSSSSS
LL              II              SS
LL              II              SS
LL              II              SS
LL              II              SS
LLLLLLLLLL    IIIIII    SSSSSSSS
LLLLLLLLLL    IIIIII    SSSSSSSS
```

```
0 %title 'FILECMDS File-Oriented Phone Commands'
0         module filecmds (
1                         ident='V04-000') = begin
1
1 !
1 !****************************************************************************
1 !*                                                                          *
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1 !*  CORPORATION.                                                            *
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1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                 *
1 !*                                                                          *
1 !*                                                                          *
1 !****************************************************************************
1 !
1
1 !++
1 ! Facility:     VAX/VMS Telephone Facility, File-Oriented Phone Commands
1 !
1 ! Abstract:     This module handles the following user commands:
1 !                       FACSIMILE       Include file contents in conversation.
1 !                       TRANSCRIBE      Make a transcript of conversation.
1 !
1 !
1 ! Environment:
1 !
1 ! Author: Paul C. Anagnostopoulos, Creation Date: 6 November 1980
1 !
1 ! Modified By:
1 !
1 !     : Version
1 ! 01 -
1 !--
```

```
;    48          0047  1 %sbttl 'Module Declarations'
;    49          0048  1 !
;    50          0049  1 ! Libraries and Requires:
;    51          0050  1 !
;    52          0051  1
;    53          0052  1 library 'sys$library:starlet.l32';
;    54          0053  1 require 'phonereq';
;    55          0382  1
;    56          0383  1 !
;    57          0384  1 ! Table of Contents:
;    58          0385  1 !
;    59          0386  1
;    60          0387  1 forward routine
;    61          0388  1         phn$facsimile_cmd: novalue,
;    62          0389  1         phn$facsimile2: novalue,
;    63          0390  1         phn$transcribe_cmd: novalue;
;    64          0391  1
;    65          0392  1 !
;    66          0393  1 ! The following macro is used in PHN$TRANSCRIBE_CMD:
;    67          0394  1 !
;    68          0395  1
;    69        M 0396  1 macro transcribe(length,address) =
;    70        M 0397  1         if dec(line_counter) lss 0 then
;    71        M 0398  1                 page_headings();
;    72        M 0399  1         trans_rab[rab$w_rsz] = length;
;    73        M 0400  1         trans_rab[rab$l_rbf] = address;
;    74        M 0401  1         status = $put(rab=trans_rab);
;    75        M 0402  1         check(.status);
;    76          0403  1 %;
;    77          0404  1
;    78          0405  1 !
;    79          0406  1 ! External References:
;    80          0407  1 !
;    81          0408  1
;    82          0409  1 external routine
;    83          0410  1         phn$conversing,
;    84          0411  1         phn$fresh_screen,
;    85          0412  1         phn$inform,
;    86          0413  1         phn$kill_ctl,
;    87          0414  1         phn$queue_smb,
;    88          0415  1         phn$talk;
;    89          0416  1
;    90          0417  1 !
;    91          0418  1 ! Own Variables:
;    92          0419  1 !
;    93          0420  1
;    94          0421  1 own
;    95        P 0422  1         facs_fab: $fab( fac=get,          ! RMS FAB for facsimile file.
;    96          0423  1                         shr=get),
;    97          0424  1         facs_buffer: block[79,byte],      ! Buffer for getting file records.
;    98        P 0425  1         facs_rab: $rab( fab=facs_fab,     ! RMS RAB for facsimile file.
;    99        P 0426  1                         rac=seq,
;   100        P 0427  1                         rop=loc,
;   101        P 0428  1                         ubf=facs_buffer,
;   102          0429  1                         usz=79);
```

```
1 %sbttl 'PHN$FACSIMILE_CMD - Include File in Conversation'
1 !++
1 ! Functional Description:
1 !       This routine handles the FACSIMILE command, which is used to
1 !       include the contents of a file into the conversation.
1 !
1 ! Formal Parameters:
1 !       facs_spec       Address of descriptor of file specification.
1 !
1 ! Implicit Inputs:
1 !       global data
1 !
1 ! Implicit Outputs:
1 !       global data
1 !
1 ! Returned Value:
1 !       none
1 !
1 ! Side Effects:
1 !
1 !--
1
1
2 global routine phn$facsimile_cmd(facs_spec): novalue = begin
2
2 bind
2       spec_dsc = .facs_spec: descriptor;
2
2 local
2       status: long;
2
2
2 ! Check to make sure we are currently talking to someone.  Otherwise facsing
2 ! makes no sense.
2
3 if not phn$conversing() then (
3       phn$inform(phn$_notconv);
3       return;
2 );
2
2 ! Now we have to open the file we are going to facs.  It is also necessary to
2 ! connect the RAB so we can read records.  If either of these operations fails,
2 ! tell the user why.
2
2 facs_fab[fab$b_fns] = .spec_dsc[len];
2 facs_fab[fab$l_fna] = .spec_dsc[ptr];
2 status = $open(fab=facs_fab);
3 if .status nequ rms$_normal then (
3       phn$inform(.status);
3       return;
2 );
2 status = $connect(rab=facs_rab);
3 if .status nequ rms$_normal then (
3       $close(fab=facs_fab);
3       phn$inform(.status);
3       return;
2 );
```

```
2
2 ! Tell the user how to cancel the operation.
2
2 phn$inform(phn$_facscan);
2
2 ! Set the "facsimile in progress" flag so it can be cancelled if necessary.
2
2 phn$gv_facsimile = true;
2
2 ! Talk a carriage return so the file will start on a new line.  Queue a
2 ! steering message that will force us to facs the first record.
2
2 phn$talk(describe(%char(ret)));
2 phn$queue_smb(smb__facsimile2);
2 return;
2
1 end;

                                        .TITLE  FILECMDS FILECMDS File-Oriented Phone Commands
                                        .IDENT  \V04-000\

                                        .PSECT  $PLIT$,NOWRT,NOEXE,2

            0D  00000 P.AAB:            .ASCII  <13>                                          ;
                00001                   .BLKB   3
      00000001  00004 P.AAA:            .LONG   1                                             ;
      00000000' 00008                   .ADDRESS P.AAB                                        ;

                                        .PSECT  $OWN$,NOEXE,2

            03  00000 FACS_FAB:
                                        .BYTE   3                                             ;
            50  00001                   .BYTE   80                                            ;
          0000  00002                   .WORD   0                                             ;
      00000000  00004                   .LONG   0                                             ;
      00000000  00008                   .LONG   0                                             ;
      00000000  0000C                   .LONG   0                                             ;
      00000000  00010                   .LONG   0                                             ;
          0000  00014                   .WORD   0                                             ;
            02  00016                   .BYTE   2                                             ;
            02  00017                   .BYTE   2                                             ;
      00000000  00018                   .LONG   0                                             ;
            00  0001C                   .BYTE   0                                             ;
            00  0001D                   .BYTE   0                                             ;
            00  0001E                   .BYTE   0                                             ;
            02  0001F                   .BYTE   2                                             ;
      00000000  00020                   .LONG   0                                             ;
      00000000  00024                   .LONG   0                                             ;
      00000000  00028                   .LONG   0                                             ;
      00000000  0002C                   .LONG   0                                             ;
      00000000  00030                   .LONG   0                                             ;
            00  00034                   .BYTE   0                                             ;
            00  00035                   .BYTE   0                                             ;
          0000  00036                   .WORD   0                                             ;
      00000000  00038                   .LONG   0                                             ;
          0000  0003C                   .WORD   0                                             ;
```

```
                  00  0003E          .BYTE    0
                  00  0003F          .BYTE    0
            00000000  00040          .LONG    0
            00000000  00044          .LONG    0
                0000  00048          .WORD    0
                  00  0004A          .BYTE    0
                  00  0004B          .BYTE    0
            00000000  0004C          .LONG    0
                      00050 FACS_BUFFER:
                                     .BLKB    79
                      0009F          .BLKB    1
                  01  000A0 FACS_RAB:
                                     .BYTE    1
                  44  000A1          .BYTE    68
                0000  000A2          .WORD    0
            00010000  000A4          .LONG    65536
            00000000  000A8          .LONG    0
            00000000  000AC          .LONG    0
               0000#  000B0          .WORD    0[3]
                0000  000B6          .WORD    0
            00000000  000B8          .LONG    0
                0000  000BC          .WORD    0
                  00  000BE          .BYTE    0
                  00  000BF          .BYTE    0
                004F  000C0          .WORD    79
                0000  000C2          .WORD    0
           00000000'  000C4          .ADDRESS FACS_BUFFER
            00000000  000C8          .LONG    0
            00000000  000CC          .LONG    0
            00000000  000D0          .LONG    0
                  00  000D4          .BYTE    0
                  00  000D5          .BYTE    0
                  00  000D6          .BYTE    0
                  00  000D7          .BYTE    0
            00000000  000D8          .LONG    0
           00000000'  000DC          .ADDRESS FACS_FAB
            00000000  000E0          .LONG    0

                                     .EXTRN   PHN$_OK, PHN$_ANSWERED
                                     .EXTRN   PHN$_BUSYCALL, PHN$_CANCALL
                                     .EXTRN   PHN$_CANTREACH, PHN$_CONFCALL
                                     .EXTRN   PHN$_DEAD, PHN$_DECNETLINK
                                     .EXTRN   PHN$_DIRCAN, PHN$_FACSCAN
                                     .EXTRN   PHN$_HELPCAN, PHN$_HUNGUP
                                     .EXTRN   PHN$_JUSTRANG, PHN$_LOGGEDOFF
                                     .EXTRN   PHN$_REJECTED, PHN$_RING
                                     .EXTRN   PHN$_REJECTJUNK
                                     .EXTRN   PHN$_SENDINGMAIL
                                     .EXTRN   PHN$_BADCMD, PHN$_BADHELP
                                     .EXTRN   PHN$_BADMAILCMD
                                     .EXTRN   PHN$_BADSMB, PHN$_BADSPEC
                                     .EXTRN   PHN$_HELPMISSING
                                     .EXTRN   PHN$_IVREDUNANS
                                     .EXTRN   PHN$_IVREDUNCALL
                                     .EXTRN   PHN$_LINKERROR, PHN$_NEEDUSER
                                     .EXTRN   PHN$_NOCALL, PHN$_NOHOLDS
                                     .EXTRN   PHN$_NOPORTS, PHN$_NOPRIV
```

```
                                        .EXTRN  PHN$_NOPROC, PHN$_NOTCONV
                                        .EXTRN  PHN$_ONLYNODE, PHN$_PHONEBUSY
                                        .EXTRN  PHN$_REMOTEERROR
                                        .EXTRN  PHN$_TARGTERM, PHN$_UNPLUGGED
                                        .EXTRN  PHN$_BADTERM, PHN$_SHAREDMBX
                                        .EXTRN  PHN$_INPUTTERM, PHN$GQ_NODE_NAME
                                        .EXTRN  PHN$GQ_SWITCH_HOOK
                                        .EXTRN  PHN$GL_VIEWPORT_SIZE
                                        .EXTRN  PHN$GB_SCROLL, PHN$GQ_PUBHEAD
                                        .EXTRN  PHN$GB_FLAGS, PHN$CONVERSING
                                        .EXTRN  PHN$FRESH_SCREEN
                                        .EXTRN  PHN$INFORM, PHN$KILL_CTL
                                        .EXTRN  PHN$QUEUE_SMB, PHN$TALK
                                        .EXTRN  SYS$OPEN, SYS$CONNECT
                                        .EXTRN  SYS$CLOSE

                                        .PSECT  $CODE$,NOWRT,2

                            000C 00000          .ENTRY  PHN$FACSIMILE_CMD, Save R2,R3                        ; 0453
          53      0000'  CF   9E 00002          MOVAB   FACS_FAB, R3                                         ;
          52         04  AC   D0 00007          MOVL    FACS_SPEC, R2                                        ; 0456
    0000G CF             00   FB 0000B          CALLS   #0, PHN$CONVERSING                                   ; 0465
          08             50   E8 00010          BLBS    R0, 1$                                               ;
             00000000G   8F   DD 00013          PUSHL   #PHN$_NOTCONV                                        ; 0466
                         40   11 00019          BRB     3$                                                   ;
       34 A3             62   90 0001B 1$:      MOVB    (R2), FACS_FAB+52                                    ; 0474
       2C A3         04  A2   D0 0001F          MOVL    4(R2), FACS_FAB+44                                   ; 0475
                         53   DD 00024          PUSHL   R3                                                   ; 0476
00000000G 00             01   FB 00026          CALLS   #1, SYS$OPEN                                         ;
          52             50   D0 0002D          MOVL    R0, STATUS                                           ;
 00010001 8F             52   D1 00030          CMPL    STATUS, #65537                                       ; 0477
                         20   12 00037          BNEQ    2$                                                   ;
                   00A0  C3   9F 00039          PUSHAB  FACS_RAB                                             ; 0481
00000000G 00             01   FB 0003D          CALLS   #1, SYS$CONNECT                                      ;
          52             50   D0 00044          MOVL    R0, STATUS                                           ;
 00010001 8F             52   D1 00047          CMPL    STATUS, #65537                                       ; 0482
                         11   13 0004E          BEQL    4$                                                   ;
                         53   DD 00050          PUSHL   R3                                                   ; 0483
00000000G 00             01   FB 00052          CALLS   #1, SYS$CLOSE                                        ;
                         52   DD 00059 2$:      PUSHL   STATUS                                               ; 0484
    0000G CF             01   FB 0005B 3$:      CALLS   #1, PHN$INFORM                                       ;
                              04 00060          RET                                                          ; 0482
             00000000G   8F   DD 00061 4$:      PUSHL   #PHN$_FACSCAN                                        ; 0490
    0000G CF             01   FB 00067          CALLS   #1, PHN$INFORM                                       ;
    0000G CF             08   88 0006C          BISB2   #8, PHN$GB_FLAGS                                     ; 0494
                  0000'  CF   9F 00071          PUSHAB  P.AAA                                                ; 0499
    0000G CF             01   FB 00075          CALLS   #1, PHN$TALK                                         ;
                         10   DD 0007A          PUSHL   #16                                                  ; 0500
    0000G CF             01   FB 0007C          CALLS   #1, PHN$QUEUE_SMB                                    ;
                              04 00081          RET                                                          ; 0503

; Routine Size:  130 bytes,    Routine Base:  $CODE$ + 0000
;  179          0504  1 %sbttl 'PHN$FACSIMILE2 - Facsimile a Record'
;  180          0505  1 !++
;  181          0506  1 ! Functional Description:
;  182          0507  1 !       This steering m:ssage routine is called to facsimile the next record
;  183          0508  1 !       from the file.
;  184          0509  1 !
;  185          0510  1 ! Formal Parameters:
;  186          0511  1 !       none
;  187          0512  1 !
;  188          0513  1 ! Implicit Inputs:
;  189          0514  1 !       global data
;  190          0515  1 !
;  191          0516  1 ! Implicit Outputs:
;  192          0517  1 !       global data
;  193          0518  1 !
;  194          0519  1 ! Returned Value:
;  195          0520  1 !       none
;  196          0521  1 !
;  197          0522  1 ! Side Effects:
;  198          0523  1 !
;  199          0524  1 !--
;  200          0525  1
;  201          0526  1
;  202          0527  2 global routine phn$facsimile2: novalue = begin
;  203          0528  2
;  204          0529  2 local
;  205          0530  2         status: long,
;  206          0531  2         record_dsc: descriptor;
;  207          0532  2
;  208          0533  2
;  209          0534  2 ! If the facsimile operation has been cancelled, talk a little message to
;  210          0535  2 ! that effect and bag the operation.
;  211          0536  2
;  212          0537  3 if not .phn$gv_facsimile then (
;  213        L 0538  3         phn$talk(describe(%string('(CANCELLED)',
;  214          0539  3                                   %char(ret))));
;  215          0540  3         $close(fab=facs_fab);
;  216          0541  3         return;
;  217          0542  2 );
;  218          0543  2
;  219          0544  2 ! Read the next record from the file.  There are three cases:
;  220          0545  2 !       1.      We get a record (even if it is truncated).  Build a descriptor
;  221          0546  2 !               for it and talk it into the conversation, with a carriage
;  222          0547  2 !               return.  Queue a steering message for the next record.
;  223          0548  2 !
;  224          0549  2 !       2.      We get end of file.  Talk a little message to that effect and
;  225          0550  2 !               cancel the operation.
;  226          0551  2 !
;  227          0552  2 !       3.      We get an I/O error.  Talk a little message and cancel.
;  228          0553  2
;  229          0554  2 status = $get(rab=facs_rab);
;  230          0555  2
;  231          0556  2 selectoneu .status of set
;  232          0557  2 [rms$_normal,
;  233          0558  3  rms$_rtb]:     (record_dsc[len] = .facs_rab[rab$w_rsz];
;  234          0559  3                 record_dsc[ptr]  = .facs_rab[rab$l_rbf];
;  235          0560  3                 phn$talk(record_dsc);
;  236          0561  3                     phn$talk(describe(%char(ret)));
;  237          0562  2                     phn$queue_smb(smb__facsimile2););
;  238          0563  2
;  239        L 0564  3 [rms$_eof]:         (phn$talk(describe(%string('(EOF)',
;  240          0565  3                                            %char(ret))));
;  241          0566  3                     $close(fab=facs_fab);
;  242          0567  2                     phn$gv_facsimile = false;);
;  243          0568  2
;  244        L 0569  3 [otherwise]:        (phn$talk(describe(%string('(FILE ERROR)',
;  245          0570  3                                            %char(ret))));
;  246          0571  3                     $close(fab=facs_fab);
;  247          0572  2                     phn$gv_facsimile = false;);
;  248          0573  2 tes;
;  249          0574  2
;  250          0575  2 return;
;  251          0576  1 end;



                                                                  .PSECT  $PLIT$,NOWRT,NOEXE,2

      0D  29  44  45  4C  4C  45  43  4E  41  43  28  0000C P.AAD:  .ASCII  \(CANCELLED)\<13>                       ;
                                        0000000C  00018 P.AAC:  .LONG   12                                      ;
                                        00000000' 0001C         .ADDRESS P.AAD                                  ;
                                              0D  00020 P.AAF:  .ASCII  <13>                                    ;
                                                  00021         .BLKB   3
                                        00000001  00024 P.AAE:  .LONG   1                                       ;
                                        00000000' 00028         .ADDRESS P.AAF                                  ;
                              0D  29  46  4F  45  28  0002C P.AAH:  .ASCII  \(EOF)\<13>                             ;
                                                  00032         .BLKB   2
                                        00000006  00034 P.AAG:  .LONG   6                                       ;
                                        00000000' 00038         .ADDRESS P.AAH                                  ;
  0D  29  52  4F  52  52  45  20  45  4C  49  46  28  0003C P.AAJ:  .ASCII  \(FILE ERROR)\<13>                      ;
                                                  00049         .BLKB   3
                                        0000000D  0004C P.AAI:  .LONG   13                                      ;
                                        00000000' 00050         .ADDRESS P.AAJ                                  ;

                                                                  .EXTRN  SYS$GET

                                                                  .PSECT  $CODE$,NOWRT,2

                                             000C 00000         .ENTRY  PHN$FACSIMILE2, Save R2,R3            ; 0527
                         53 00000000G   00   9E 00002         MOVAB   SYS$CLOSE, R3                           ;
                         52      0000G  CF   9E 00009         MOVAB   PHN$TALK, R2                            ;
                         5E             08   C2 0000E         SUBL2   #8, SP                                  ;
            0F      0000G  CF           03   E0 00011         BBS     #3, PHN$GB_FLAGS, 1$                   ; 0537
                                 0000'  CF   9F 00017         PUSHAB  P.AAC                                   ; 0539
                         62             01   FB 0001B         CALLS   #1, PHN$TALK                            ;
                                 0000'  CF   9F 0001E         PUSHAB  FACS_FAB                                ; 0540
                         63             01   FB 00022         CALLS   #1, SYS$CLOSE                           ;
                                        04      00025         RET                                             ; 0537
                                 0000'  CF   9F 00026 1$:     PUSHAB  FACS_RAB                                ; 0554
                 00000000G   00         01   FB 0002A         CALLS   #1, SYS$GET                             ;
                 00010001    8F         50   D1 00031         CMPL    STATUS, #65537                          ; 0557
                                        09   13 00038         BEQL    2$                                      ;
                 000181A8    8F         50   D1 0003A         CMPL    STATUS, #98728                          ;
                                        1F   12 00041         BNEQ    3$                                      ;
```

```
                      6E      0000'  CF  B0 00043 2$:    MOVW    FACS_RAB+34, RECORD_DSC                      ; 0558
              04      AE      0000'  CF  D0 00048        MOVL    FACS_RAB+40, RECORD_DSC+4                    ; 0559
                                     5E  DD 0004E        PUSHL   SP                                           ; 0560
                      62             01  FB 00050        CALLS   #1, PHN$TALK                                 ;
                              0000'  CF  9F 00053        PUSHAB  P.AAE                                        ; 0561
                      62             01  FB 00057        CALLS   #1, PHN$TALK                                 ;
                                     10  DD 0005A        PUSHL   #16                                          ; 0562
           0000G      CF             01  FB 0005C        CALLS   #1, PHN$QUEUE_SMB                            ;
                                         04 00061        RET                                                  ; 0556
        0001827A      8F             50  D1 00062 3$:    CMPL    STATUS, #98938                               ; 0564
                                     06  12 00069        BNEQ    4$                                           ;
                              0000'  CF  9F 0006B        PUSHAB  P.AAG                                        ; 0565
                                     04  11 0006F        BRB     5$                                           ;
                              0000'  CF  9F 00071 4$:    PUSHAB  P.AAI                                        ; 0570
                      62             01  FB 00075 5$:    CALLS   #1, PHN$TALK                                 ;
                              0000'  CF  9F 00078        PUSHAB  FACS_FAB                                     ; 0571
                      63             01  FB 0007C        CALLS   #1, SYS$CLOSE                                ;
           0000G      CF             08  8A 0007F        BICB2   #8, PHN$GB_FLAGS                             ; 0572
                                         04 00084        RET                                                  ; 0576

; Routine Size:  133 bytes,    Routine Base:  $CODE$ + 0082
;  253           0577  1 %sbttl 'PHN$TRANSCRIBE_CMD - Handle TRANSCRIBE Command'
;  254           0578  1 !++
;  255           0579  1 ! Functional Description:
;  256           0580  1 !       This routine handles the TRANSCRIBE command, which is used to make a
;  257           0581  1 !       transcript of the conversation.  We record the conversation that
;  258           0582  1 !       has taken place UP TO THIS POINT, but only for people we are currently
;  259           0583  1 !       talking to.
;  260           0584  1 !
;  261           0585  1 ! Formal Parameters:
;  262           0586  1 !       trans_spec      The address of the descriptor of the file to receive
;  263           0587  1 !                       the transcript.
;  264           0588  1 !
;  265           0589  1 ! Implicit Inputs:
;  266           0590  1 !       global data
;  267           0591  1 !
;  268           0592  1 ! Implicit Outputs:
;  269           0593  1 !       global data
;  270           0594  1 !
;  271           0595  1 ! Returned Value:
;  272           0596  1 !       none
;  273           0597  1 !
;  274           0598  1 ! Side Effects:
;  275           0599  1 !
;  276           0600  1 !--
;  277           0601  1
;  278           0602  1
;  279           0603  2 global routine phn$transcribe_cmd(trans_spec): novalue = begin
;  280           0604  2
;  281           0605  2 bind
;  282           0606  2         spec_dsc = .trans_spec: descriptor;
;  283           0607  2 own
;  284         P 0608  2         trans_fab: $fab(dnm='.PHN',
;  285         P 0609  2                         fac=put,
;  286         P 0610  2                         mrs=132,
;  287         P 0611  2                         org=seq,
;  288         P 0612  2                         rat=cr,
;  289         P 0613  2                         rfm=var,
;  290           0614  2                         shr=nil),
;  291         P 0615  2         trans_rab: $rab(fab=trans_fab,
;  292           0616  2                         rac=seq);
;  293           0617  2
;  294           0618  2 own                                             ! These variables are OWN because
;  295           0619  2         page_number: long,                      ! of up-level referencing.
;  296           0620  2         line_counter: long;
;  297           0621  2 literal
;  298           0622  2         array_size = 20/pub_k_minlines;
;  299           0623  2 local
;  300           0624  2         status: long,
;  301           0625  2         pub_array:    vector[array_size,long],
;  302           0626  2         ctl_array: vector[array_size,long],
;  303           0627  2         p: ref pub, cur_p: ref pub,
;  304           0628  2         min_stamp: long,
;  305           0629  2         i: long, min_i: long,
;  306           0630  2         c: ref ctl,
;  307           0631  2         line_buf: block[132,byte];
;  309          0632 2 ! This little routine is called when we get to the bottom of a page and
;  310          0633 2 ! we need to start a new one.  It ejects the page and prints some headings.
;  311          0634 2
;  312          0635 3 routine page_headings: novalue = begin
;  313          0636 3
;  314          0637 3 local
;  315          0638 3         status: long;
;  316          0639 3 local
;  317          0640 3         local_described_buffer(fao_buf,132);
;  318          0641 3
;  319          0642 3
;  320          0643 3 line_counter = 55;
;  321          0644 3
;  322          0645 3 if .page_number gtru 0 then
;  323          0646 3         transcribe(1,uplit byte(%char(formfeed)));
;  324          0647 3 inc (page_number);
;  325          0648 3
;  326        P 0649 3 status = $fao(describe(
;  327        P 0650 3         'PHONE CONVERSATION TRANSCRIPT!_!_!_!_!_!_!%D!_!_!_Page !2<!UL!>'),
;  328        P 0651 3                 fao_buf,
;  329        P 0652 3                 fao_buf,
;  330        P 0653 3                 0,
;  331          0654 3                 .page_number);
;  332          0655 3 check (.status);
;  333          0656 3 transcribe(.fao_buf[len],.fao_buf[ptr]);
;  334          0657 3 transcribe(1,uplit byte(%char(ret)));
;  335          0658 3
;  336          0659 3 return;
;  337          0660 2 end;


                                                                    .PSECT  $PLIT$,NOWRT,NOEXE,2

                                      4E  48  50  2E  00054 P.AAK:  .ASCII  \.PHN\
                                                  0C  00058 P.AAL:  .ASCII  <12>
54  41  53  52  45  56  4E  4F  43  20  45  4E  4F  48  50  00059 P.AAN:  .ASCII  \PHONE CONVERSATION TRANSCRIPT!_!_!_!_!_!\
21  54  50  49  52  43  53  4E  41  52  54  20  4E  4F  49  00068
                        21  5F  21  5F  21  5F  21  5F  21  5F  00077
20  65  67  61  50  5F  21  5F  21  5F  21  44  25  21  5F  00081         .ASCII  \_!%D!_!_!_Page !2<!UL!>\
                            3E  21  4C  55  21  3C  32  21  00090
                                           0000003F  00098 P.AAM:  .LONG   63
                                           00000000' 0009C         .ADDRESS P.AAN
                                                  0D  000A0 P.AAO:  .ASCII  <13>

                                                                    .PSECT  $OWN$,NOEXE,2

                                                  03  000E4 TRANS_FAB:
                                                                    .BYTE   3
                                                  50  000E5         .BYTE   80
                                                0000  000E6         .WORD   0
                                            00000000  000E8         .LONG   0
                                            00000000  000EC         .LONG   0
                                            00000000  000F0         .LONG   0
                                            00000000  000F4         .LONG   0
                                                0000  000F8         .WORD   0
                                                  01  000FA         .BYTE   1
```

```
                      20  000FB            .BYTE   32
                00000000  000FC            .LONG   0
                      00  00100            .BYTE   0
                      00  00101            .BYTE   0
                      02  00102            .BYTE   2
                      02  00103            .BYTE   2
                00000000  00104            .LONG   0
                00000000  00108            .LONG   0
                C0000000  0010C            .LONG   0
                00000000  00110            .LONG   0
               00000000'  00114            .ADDRESS P.AAK
                      00  00118            .BYTE   0
                      04  00119            .BYTE   4
                    0084  0011A            .WORD   132
                00000000  0011C            .LONG   0
                    0000  00120            .WORD   0
                      00  00122            .BYTE   0
                      00  00123            .BYTE   0
                00000000  00124            .LONG   0
                00000000  00128            .LONG   0
                    0000  0012C            .WORD   0
                      00  0012E            .BYTE   0
                      00  0012F            .BYTE   0
                00000000  00130            .LONG   0
                      01  00134  TRANS_RAB:
                                           .BYTE   1
                      44  00135            .BYTE   68
                    0000  00136            .WORD   0
                00000000  00138            .LONG   0
                00000000  0013C            .LONG   0
                00000000  00140            .LONG   0
                   0000#  00144            .WORD   0[3]
                    0000  0014A            .WORD   0
                00000000  0014C            .LONG   0
                    0000  00150            .WORD   0
                      00  00152            .BYTE   0
                      00  00153            .BYTE   0
                    0000  00154            .WORD   0
                    0000  00156            .WORD   0
                00000000  00158            .LONG   0
                00000000  0015C            .LONG   0
                00000000  00160            .LONG   0
                00000000  00164            .LONG   0
                      00  00168            .BYTE   0
                      00  00169            .BYTE   0
                      00  0016A            .BYTE   0
                      00  0016B            .BYTE   0
                00000000  0016C            .LONG   0
               00000000'  00170            .ADDRESS TRANS_FAB
                00000000  00174            .LONG   0
                          00178  PAGE_NUMBER:
                                           .BLKB   4
                          0017C  LINE_COUNTER:
                                           .BLKB   4

                                           .EXTRN  SYS$PUT, SYS$FAO
```

```
                                              .PSECT  $CODE$,NOWRT,2

                           007C 00000 PAGE_HEADINGS:
                                              .WORD   Save R2,R3,R4,R5,R6                 ; 0635
           56        FB  AF  9E 00002         MOVAB   PAGE_HEADINGS, R6
           55 00000000G  00  9E 00006         MOVAB   SYS$PUT, R5
           54 00000000G  00  9E 0000D         MOVAB   LIB$SIGNAL, R4
           53     0000'  CF  9E 00014         MOVAB   LINE_COUNTER, R3
           5E      FF78  CE  9E 00019         MOVAB   -136(SP), SP
           7E        84  8F  9A 0001E         MOVZBL  #132, FAO_BUF                       ; 0640
       04  AE        08  AE  9E 00022         MOVAB   FAO_BUF+8, FAO_BUF+4
           63            37  D0 00027         MOVL    #55, LINE_COUNTER                   ; 0643
                     FC  A3  D5 0002A         TSTL    PAGE_NUMBER                         ; 0645
                         06  13 0002D         BEQL    1$
           03            63  F4 0002F         SOBGEQ  LINE_COUNTER, 1$                    ; 0646
           66            00  FB 00032         CALLS   #0, PAGE_HEADINGS
       DA  A3            01  B0 00035 1$:     MOVW    #1, TRANS_RAB+34
       E0  A3     0000'  CF  9E 00039         MOVAB   P.AAL, TRANS_RAB+40
                     B8  A3  9F 0003F         PUSHAB  TRANS_RAB
           65            01  FB 00042         CALLS   #1, SYS$PUT
           52            50  D0 00045         MOVL    R0, STATUS
           05            52  E8 00048         BLBS    STATUS, 2$
                         52  DD 0004B         PUSHL   STATUS
           64            01  FB 0004D         CALLS   #1, LIB$SIGNAL
                     FC  A3  D6 00050 2$:     INCL    PAGE_NUMBER                         ; 0647
                     FC  A3  DD 00053         PUSHL   PAGE_NUMBER                         ; 0654
                         7E  D4 00056         CLRL    -(SP)
                     08  AE  9F 00058         PUSHAB  FAO_BUF
                     0C  AE  9F 0005B         PUSHAB  FAO_BUF
                  0000'  CF  9F 0005E         PUSHAB  P.AAM
00000000G  00            05  FB 00062         CALLS   #5, SYS$FAO
           52            50  D0 00069         MOVL    R0, STATUS
           05            52  E8 0006C         BLBS    STATUS, 3$                          ; 0655
                         52  DD 0006F         PUSHL   STATUS
           64            01  FB 00071         CALLS   #1, LIB$SIGNAL
           03            63  F4 00074 3$:     SOBGEQ  LINE_COUNTER, 4$                    ; 0656
           66            00  FB 00077         CALLS   #0, PAGE_HEADINGS
       DA  A3            6E  B0 0007A 4$:     MOVW    FAO_BUF, TRANS_RAB+34
       E0  A3        04  AE  D0 0007E         MOVL    FAO_BUF+4, TRANS_RAB+40
                     B8  A3  9F 00083         PUSHAB  TRANS_RAB
           65            01  FB 00086         CALLS   #1, SYS$PUT
           52            50  D0 00089         MOVL    R0, STATUS
           05            52  E8 0008C         BLBS    STATUS, 5$
                         52  DD 0008F         PUSHL   STATUS
           64            01  FB 00091         CALLS   #1, LIB$SIGNAL
           03            63  F4 00094 5$:     SOBGEQ  LINE_COUNTER, 6$                    ; 0657
           66            00  FB 00097         CALLS   #0, PAGE_HEADINGS
       DA  A3            01  B0 0009A 6$:     MOVW    #1, TRANS_RAB+34
       E0  A3     0000'  CF  9E 0009E         MOVAB   P.AAO, TRANS_RAB+40
                     B8  A3  9F 000A4         PUSHAB  TRANS_RAB
           65            01  FB 000A7         CALLS   #1, SYS$PUT
           52            50  D0 000AA         MOVL    R0, STATUS
           05            52  E8 000AD         BLBS    STATUS, 7$
                         52  DD 000B0         PUSHL   STATUS
           64            01  FB 000B2         CALLS   #1, LIB$SIGNAL
                             04 000B5 7$:     RET                                         ; 0660
```

```
; Routine Size:  182 bytes,    Routine Base:  $CODE$ + 0107
```

```
  2 ! We begin by opening a new file in which to place the transcript.  We also
  2 ! have to connect the RAB so we can write records.  If either of these actions
  2 ! fails, tell the user why.
  2
  2 trans_fab[fab$b_fns] = .spec_dsc[len];
  2 trans_fab[fab$l_fna] = .spec_dsc[ptr];
  2 status = $create(fab=trans_fab);
  3 if .status nequ rms$_normal then (
  3         phn$inform(.status);
  3         return;
  2 );
  2 status = $connect(rab=trans_rab);
  3 if .status nequ rms$_normal then (
  3         phn$inform(.status);
  3         $close(fab=trans_fab);
  3         return;
  2 );
  2
  2 ! Now we inform all of the people that we are going to record them.
  2
L 2 phn$talk(describe(%string(%char(ret),
L 2         'I AM NOW RECORDING THE CONVERSATION UP TO THIS POINT.',
  2         %char(ret))));
  2
  2 ! Now we are going to set up two arrays, containing entries for each person
  2 ! we are recording.  The pub_array contain the address of the person's PUB.
  2 ! The ctl_array contains the address of the oldest CTL on their CTL chain.
  2
  2 ch$fill(0,%allocation(pub_array),pub_array);
  2 ch$fill(0,%allocation(ctl_array),ctl_array);
  2 p = .phn$gq_pubhead[0];
  2 i = 0;
  2
  3 until .p eqla phn$gq_pubhead do (
  3         if not .p[pub_v_temporary] and
  3            not .p[pub_v_uhaveheld] and
  4            not .p[pub_v_hasuheld]        then (
  4
  4                 pub_array[.i] = .p;
  4                 ctl_array[.i] = .p[pub_q_ctlhead1];
  4                 inc (i);
  3         );
  3         p = .p[pub_l_flink];
  2 );
  2
  2 ! Now we go into our merging loop.  On each pass, we find the oldest stamp -
  2 ! that will merge the conversation text in the most accurate order.  For
  2 ! each line we print one line in the transcript.  It contains the converstion
  2 ! text and also the speaker's name unless it's the same speaker as the
  2 ! previous line.
  2
  2 page_number = 0;
  2 line_counter = 0;
  2 cur_p = 0;
  2
  3 loop (
  3
;    396     0718  3          ! Loop through arrays and find minimum stamp.  If there are no
;    397     0719  3          ! CTLs left to merge, we're done.
;    398     0720  3
;    399     0721  3          min_stamp = -1;
;    400     0722  3          incru i from 0 to array_size-1 do
;    401     0723  4                  if .ctl_array[.i] nequ 0 then (
;    402     0724  4                          bind
;    403     0725  4                                  c = .ctl_array[.i]: ctl;
;    404     0726  4
;    405     0727  5                          if .c[ctl_l_stamp] lssu .min_stamp then (
;    406     0728  5                                  min_stamp = .c[ctl_l_stamp];
;    407     0729  5                                  min_i = .i;
;    408     0730  4                          );
;    409     0731  3                  );
;    410     0732  3
;    411     0733  3  exitif (.min_stamp eqlu -1);
;    412     0734  3
;    413     0735  3          ! If this is a different person from the last line, then put the
;    414     0736  3          ! person's name on the beginning of the line.  Otherwise just clear
;    415     0737  3          ! the beginning of the line.
;    416     0738  3
;    417     0739  4          if .pub_array[.min_i] nega .cur_p then (
;    418     0740  4                  cur_p = .pub_array[.min_i];
;    419     0741  4                  transcribe(1,uplit byte(%char(ret)));
;    420     0742  5                  begin
;    421     0743  5                  bind
;    422     0744  5                          new_tsb = cur_p[pub_b_tsb]: tsb,
;    423     0745  5                          new_dsc = new_tsb[tsb_q_tkndsc,0]: descriptor;
;    424     0746  5
;    425     0747  5                  ch$copy(.new_dsc[len],.new_dsc[ptr],' ',40,line_buf);
;    426     0748  4                  end;
;    427     0749  3          ) else
;    428     0750  3                  ch$fill(' ',40,line_buf);
;    429     0751  3
;    430     0752  3          ! Move the conversation text into the line.
;    431     0753  3
;    432     0754  3          c = .ctl_array[.min_i];
;    433     0755  4          begin
;    434     0756  4          bind
;    435     0757  4                  line_dsc = c[ctl_q_line]: descriptor;
;    436     0758  4
;    437     0759  4          ch$move(.line_dsc[len],.line_dsc[ptr],line_buf+40);
;    438     0760  4          transcribe(40+.line_dsc[len],line_buf);
;    439     0761  3          end;
;    440     0762  3
;    441     0763  3          ! Now we move to the previous CTL on this person's chain.  If
;    442     0764  3          ! there isn't one, then zero the ctl_array entry.
;    443     0765  3
;    444     0766  4          ctl_array[.min_i] = (if .c[ctl_l_blink] eqlu cur_p[pub_q_ctlhead0]
;    445     0767  4                                          then 0
;    446     0768  3                                          else .c[ctl_l_blink]);
;    447     0769  2  );
;    448     0770  2
;    449     0771  2  ! All done.  Close the transcription file and refresh the screen.
;    450     0772  2
;    451     0773  2  $close(fab=trans_fab);
;    452     0774  2  phn$fresh_screen(false);
```

```
:  453            0775  2 return;
:  454            0776  2
:  455            0777  1 end;



                                                                         .PSECT  $PLIT$,NOWRT,NOEXE,2

52 4F 43 45 52 20 57 4F 4E 20 4D 41 20 49 0D  000A1 P.AAQ:  .ASCII  <13>\I AM NOW RECORDING THE CONVERSATIO\   ;
52 45 56 4E 4F 43 20 45 48 54 20 47 4E 49 44  000B0                                                         ;
                              4F 49 54 41 53  000BF                                                         ;
4F 50 20 53 49 48 54 20 4F 54 20 50 55 20 4E  000C4          .ASCII  \N UP TO THIS POINT.\<13>              ;
                              0D 2E 54 4E 49  000D3                                                         ;
                                   00000037   000D8 P.AAP:  .LONG   55                                      ;
                                   00000000'  000DC         .ADDRESS P.AAQ                                  ;
                                         0D   000E0 P.AAR:  .ASCII  <13>                                    ;

                                                             .EXTRN  SYS$CREATE

                                                             .PSECT  $CODE$,NOWRT,2

                                    0FFC 00000               .ENTRY  PHN$TRANSCRIBE_CMD, Save R2,R3,R4,R5,R6,R7,-; 0603
                                                                     R8,R9,R10,R11                              ;
                    5E     FF4C   CE   9E 00002              MOVAB   -180(SP), SP                               ;
                    50       04   AC   D0 00007              MOVL    TRANS_SPEC, R0                             ; 0606
              0000' CF            60   90 0000B              MOVB    (R0), TRANS_FAB+52                         ; 0665
              0000' CF       04   A0   D0 00010              MOVL    4(R0), TRANS_FAB+44                        ; 0666
                          0000'   CF   9F 00016              PUSHAB  TRANS_FAB                                  ; 0667
          00000000G 00            01   FB 0001A              CALLS   #1, SYS$CREATE                             ;
                    5B            50   D0 00021              MOVL    R0, STATUS                                 ;
           00010001 8F            5B   D1 00024              CMPL    STATUS, #65537                             ; 0668
                                  08   13 0002B              BEQL    1$                                         ;
                                  5B   DD 0002D              PUSHL   STATUS                                     ; 0669
              0000G CF            01   FB 0002F              CALLS   #1, PHN$INFORM                             ;
                                       04 00034              RET                                                ; 0668
                          0000'   CF   9F 00035 1$:          PUSHAB  TRANS_RAB                                  ; 0672
          00000000G 00            01   FB 00039              CALLS   #1, SYS$CONNECT                            ;
                    5B            50   D0 00040              MOVL    R0, STATUS                                 ;
           00010001 8F            5B   D1 00043              CMPL    STATUS, #65537                             ; 0673
                                  13   13 0004A              BEQL    2$                                         ;
                                  5B   DD 0004C              PUSHL   STATUS                                     ; 0674
              0000G CF            01   FB 0004E              CALLS   #1, PHN$INFORM                             ;
                          0000'   CF   9F 00053              PUSHAB  TRANS_FAB                                  ; 0675
          00000000G 00            01   FB 00057              CALLS   #1, SYS$CLOSE                              ;
                                       04 0005E              RET                                                ; 0673
                          0000'   CF   9F 0005F 2$:          PUSHAB  P.AAP                                      ; 0683
              0000G CF            01   FB 00063              CALLS   #1, PHN$TALK                               ;
   18        00     6E            00   2C 00068              MOVC5   #0, (SP), #0, #24, PUB_ARRAY               ; 0689
                             E8   AD      0006D                                                                 ;
   18        00     6E            00   2C 0006F              MOVC5   #0, (SP), #0, #24, CTL_ARRAY               ; 0690
                             D0   AD      00074                                                                 ;
                    51    0000G   CF   D0 00076              MOVL    PHN$GQ_PUBHEAD, P                          ; 0691
                                  50   D4 0007B              CLRL    I                                          ; 0692
                    52    0000G   CF   9E 0007D 3$:          MOVAB   PHN$GQ_PUBHEAD, R2                         ; 0694
                    52            51   D1 00082              CMPL    P, R2                                      ;
                                  23   13 00085              BEQL    5$                                         ;
                    52     00F0   C1   9E 00087              MOVAB   240(P), R2                                 ; 0695
          15              62          02  E0 0008C        BBS     #2, (R2), 4$                                    ;
                          12          62  E8 00090        BLBS    (R2), 4$                                        ; 0696
          0E              62          01  E0 00093        BBS     #1, (R2), 4$                                    ; 0697
                     E8 AD40          51  D0 00097        MOVL    P, PUB_ARRAY[I]                                 ; 0699
                     D0 AD40    0108  C1  D0 0009C        MOVL    264(P), CTL_ARRAY[I]                            ; 0700
                                      50  D6 000A3        INCL    I                                               ; 0701
                          51          61  D0 000A5 4$:    MOVL    (P), P                                          ; 0703
                                      D3  11 000A8        BRB     3$                                              ; 0694
                               0000'  CF  7C 000AA 5$:    CLRQ    PAGE NUMBER                                     ; 0712
                                      57  D4 000AE        CLRL    CUR_P                                           ; 0714
                          5A          01  CE 000B0 6$:    MNEGL   #1, MIN_STAMP                                   ; 0721
                                      51  D4 000B3        CLRL    I                                               ; 0722
                          50     D0 AD41  D0 000B5 7$:    MOVL    CTL_ARRAY[I], R0                                ; 0723
                                      0D  13 000BA        BEQL    8$                                              ;
                          5A      0C  A0  D1 000BC        CMPL    12(R0), MIN_STAMP                               ; 0727
                                      07  1E 000C0        BGEQU   8$                                              ;
                          5A      0C  A0  D0 000C2        MOVL    12(R0), MIN_STAMP                               ; 0728
                          58          51  D0 000C6        MOVL    I, MIN_I                                        ; 0729
                                      51  D6 000C9 8$:    INCL    I                                               ; 0723
                          05          51  D1 000CB        CMPL    I, #5                                           ;
                                      E5  1B 000CE        BLEQU   7$                                              ;
                 FFFFFFFF  8F         5A  D1 000D0        CMPL    MIN_STAMP, #-1                                  ; 0733
                                      03  12 000D7        BNEQ    9$                                              ;
                                    00A8  31 000D9        BRW     18$                                             ;
                          57     E8 AD48  D1 000DC 9$:    CMPL    PUB_ARRAY[MIN_I], CUR_P                         ; 0739
                                      42  13 000E1        BEQL    12$                                             ;
                          57     E8 AD48  D0 000E3        MOVL    PUB_ARRAY[MIN_I], CUR_P                         ; 0740
                          05   0000'  CF  F4 000E8        SOBGEQ  LINE COUNTER, 10$                               ; 0741
                     FE58 CF          00  FB 000ED        CALLS   #0, PAGE HEADINGS                               ;
                    0000' CF          01  B0 000F2 10$:   MOVW    #1, TRANS RAB+34                                ;
                    0000' CF   0000'  CF  9E 000F7        MOVAB   P.AAR, TRANS_RAB+40                             ;
                               0000'  CF  9F 000FE        PUSHAB  TRANS RAB                                       ;
                00000000G  00         01  FB 00102        CALLS   #1, SYS$PUT                                     ;
                          5B          50  D0 00109        MOVL    R0, STATUS                                      ;
                          09          5B  E8 0010C        BLBS    STATUS, 11$                                     ;
                                      5B  DD 0010F        PUSHL   STATUS                                          ;
                00000000G  00         01  FB 00111        CALLS   #1, LIB$SIGNAL                                  ;
                          50      10  A7  9E 00118 11$:   MOVAB   16(CUR P), R0                                   ; 0745
  28          20      04  B0          60  2C 0011C        MOVC5   (R0), @4(R0), #32, #40, LINE_BUF                ; 0747
                                      6E     00122                                                                ;
                                      06  11 00123        BRB     13$                                             ; 0739
  28          20          6E          00  2C 00125 12$:   MOVC5   #0, (SP), #32, #40, LINE_BUF                    ; 0750
                                      6E     0012A                                                                ;
                          56     D0 AD48  D0 0012B 13$:   MOVL    CTL_ARRAY[MIN_I], C                             ; 0754
                          59      10  A6  9E 00130        MOVAB   16(C), R9                                       ; 0757
             28   AE      04  B9      69  28 00134        MOVC3   (R9), @4(R9), LINE_BUF+40                       ; 0759
                          05   0000'  CF  F4 0013A        SOBGEQ  LINE COUNTER, 14$                               ; 0760
                     FE06 CF          00  FB 0013F        CALLS   #0, PAGE HEADINGS                               ;
        0000'  CF         69          28  A1 00144 14$:   ADDW3   #40, (R9), TRANS RAB+34                         ;
                    0000' CF          6E  9E 0014A        MOVAB   LINE BUF, TRANS_RAB+40                          ;
                               0000'  CF  9F 0014F        PUSHAB  TRANS RAB                                       ;
                00000000G  00         01  FB 00153        CALLS   #1, SYS$PUT                                     ;
                          5B          50  D0 0015A        MOVL    R0, STATUS                                      ;
                          09          5B  E8 0015D        BLBS    STATUS, 15$                                     ;
                                      5B  DD 00160        PUSHL   STATUS                                          ;
                00000000G  00         01  FB 00162        CALLS   #1, LIB$SIGNAL                                  ;
                          50    0104  C7  9E 00169 15$:   MOVAB   260(R7), R0                                     ; 0766
```

```
                           50        04    A6  D1 0016E          CMPL    4(C), R0                              ;
                                           04  12 00172          BNEQ    16$                                   ;
                                           50  D4 00174          CLRL    R0                                    ;
                                           04  11 00176          BRB     17$                                   ;
                           50        04    A6  D0 00178  16$:    MOVL    4(C), R0                              ; 0768
                      D0 AD48              50  D0 0017C  17$:    MOVL    R0, CTL_ARRAY[MIN_I]                  ; 0766
                                         FF2C  31 00181          BRW     6$                                    ; 0714
                                   0000'   CF  9F 00184  18$:    PUSHAB  TRANS_FAB                             ; 0773
                  00000000G  00            01  FB 00188          CALLS   #1, SYS$CLOSE                         ;
                                           7E  D4 0018F          CLRL    -(SP)                                 ; 0774
                      0000G  CF            01  FB 00191          CALLS   #1, PHN$FRESH_SCREEN                  ;
                                               04 00196          RET                                           ; 0777

; Routine Size:  407 bytes,    Routine Base:  $CODE$ + 01BD


;  456          0778  1
;  457          0779  0 end eludom



                                                                 .EXTRN  LIB$SIGNAL

;
;                             PSECT SUMMARY
;
;       Name                      Bytes                      Attributes
;
;   $OWN$                           384  NOVEC,  WRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
;   $PLIT$                          225  NOVEC,NOWRT,  RD ,NOEXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)
;   $CODE$                          852  NOVEC,NOWRT,  RD ,  EXE,NOSHR,  LCL,  REL,  CON,NOPIC,ALIGN(2)




;                        Library Statistics
;
;                                        -------- Symbols --------       Pages      Processing
;       File                             Total    Loaded   Percent       Mapped     Time
;
;   _$255$DUA28:[SYSLIB]STARLET.L32;1     9776        42         0         581        00:00.8




;                              COMMAND QUALIFIERS

;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:FILECMDS/OBJ=OBJ$:FILECMDS MSRC$:FILECMDS/UPDATE=(ENH$:FILECMDS)

; Size:          852 code + 609 data bytes
; Run Time:         00:14.2
; Elapsed Time:     01:06.3
; Lines/CPU Min:      3291
; Lexemes/CPU-Min: 43364
; Memory Used:  190 pages
; Compilation Complete
```

0304 AH-BT13A-SE
VAX/VMS V4.0

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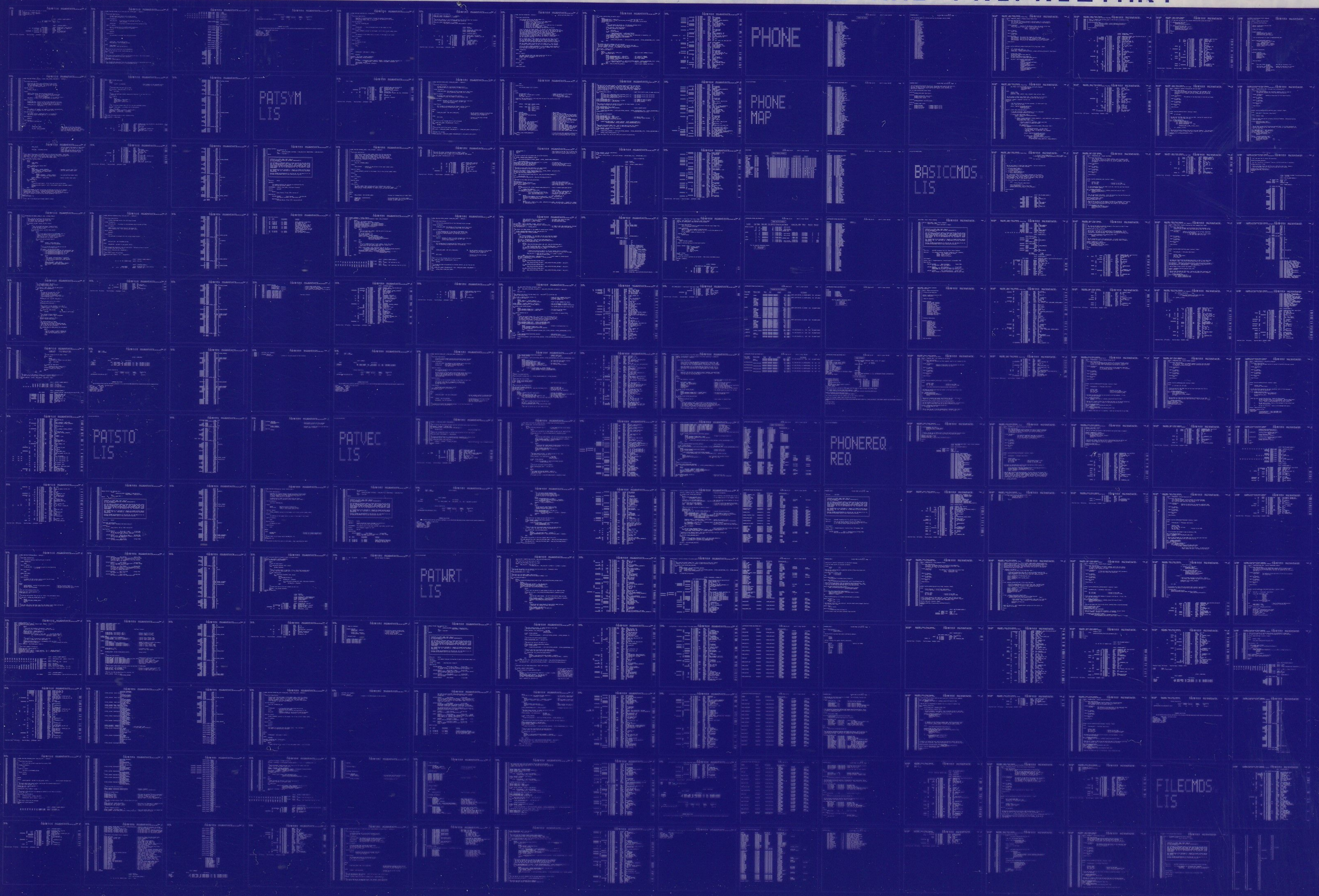

PHONE

PATSYM
LIS

PHONE
MAP

BASICCMDS
LIS

PATSTO
LIS

PATVEC
LIS

PHONEREQ
REQ

PATWRT
LIS

FILECMDS
LIS

0305 AH-BT13A-SE
VAX/VMS V4.0

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STACKCMDS
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TERMINAL
LIS

MISCCMDS
LIS

PUBSUBS
LIS

INPUT
LIS